



AGENDA

**Concrete Products Task Group Meeting
(CT-Industry)
January 8, 2015
Time 10:00 AM to 12:00 PM
Room 514 – Translab – OSM Annex Building
5900 Folsom Blvd.
Sacramento, CA 95814**

Time	Topic	Presented By	Purpose/Endstate
1000 – 1005	Welcome, Attendance and Agenda Review	All Co-Chairs	Meeting Begins
1005 – 1015	Review of Last Meeting's Action Items	All Co-Chairs	Establish/Close-Out Due-Outs
1015 – 1020	Housekeeping Items – The following are to be discussed: <ul style="list-style-type: none"> Current Print-Out Package OSM Task Group Website 2015 Calendar 	Bobby Petska	Ensure all members are postured for success
1020 - 1030	2015 Bin List Item Discussion	All Co-Chairs	Ensure key items are considered
1030 – 1040	"State of the Industry" Update Brief	Industry Co-Chairs	Ensure key concerns from Industry are heard
Sub-Task Group co-chairs provide update on <ul style="list-style-type: none"> Progress Reports Review of Issues, including level of effort and updates to scoping documents Discuss any recommendations for changes in priorities Discuss and/or approve new scoping documents 			
1040 – 1100	CIP Pavement Sub-Task Group	Deepak Maskey/Bruce Carter	STG Co-Chairs provide update on decisions made/concerns for each activity
1100 – 1120	Precast Sub-Task Group	Keith Hoffman/Cliff Ohlwiler	STG Co-Chairs provide update on decisions made/concerns for each activity
1120 – 1140	Materials/QA Sub-Task Group	Keith Hoffman/Mark Hill	STG Co-Chairs provide update on decisions made/concerns for each activity
1140 – 1200	Round Table Discussion, Discussion of Issues, Questions and Action items	All	Document due-outs and decisions made

Concrete Products Meeting Action Item Review

Below is the brief summary and status of action items from the previous TG meetings:

Action Items from 10/9/14 meeting	Due Date	Responsible Person	Status
Route the final Precast Pavement specification to the Industry Co-Chairs for final review and comment	8 Jan 2015	Nick Burmas	To follow up with Industry Co-Chairs
Provide update on the MPQP Document updates tied to the "Coffman et al" Letter response and the Recycled Concrete activity	8 Jan 2015	Chuck Suszko/Ken Darby	To provide update at Jan TG meeting
Update Roster for Concrete Task Group Members on the RPC TG Website	8 Jan 2015	Bobby Petska	Complete
Distribute the recent report for the MIT Scan Dowel Bar Tolerance results to the Task Group for information	8 Jan 2015	Bobby Petska	Complete
Add the Reclaimed Aggregate portion of the Recycled Concrete activity to the Materials/QA Bin List	8 Jan 2015	Bobby Petska/Keith Hoffman	Complete
Ensure Mix Design Number Uniformity and traceability for Cast In Place Concrete batch plants – Discussion to take place within the Materials/QA STG	8 Jan 2015	Keith Hoffman/Mark Hill	Complete
Add Precast Specification update for ASTM C1567 to the Precast STG Bin List	8 Jan 2015	Keith Hoffman/Cliff Ohlwiler	Discussion ongoing at STG Level
Verify routing of QCQA Specification to the Materials/QA STG and route to the TG once finalized at the Materials/QA STG	31 Oct 2014	Keith Hoffman/Mark Hill	Ongoing
Distribute the new draft 2015 RPC Calendar to the RPC Concrete TG	31 Oct 2014	Bobby Petska	Included in package

Action Items from 7/10/14 meeting	Due Date	Responsible Person	Status
Post the QCQA Lessons Learned Report onto the RPC Task Group website	9 Oct 2014	Bobby Petska	Complete
Distribute information regarding D7 Rapid Strength Concrete SSP to the Task Group	9 Oct 2014	Kirk McDonald/Mark Hill	Complete
Provide fact sheet regarding Section 40 Rapid Strength Concrete specification creation, including the disallowing of volumetric mixing equipment	18 Aug 2014	Nick Burmas/Cornelis Hakim	Complete
Provide an update of Construction actions on the MPQP/CT109 Updates in response to Director Letter, and send to the Task Group prior to the next meeting	9 Oct 2014	Chuck Suszko/Jim Cotey/Ken Darby	To provide update at Jan TG meeting
Provide example of rejected Mix Designs based on lack of annual aggregate source testing approval	9 Oct 2014	Bruce Carter/Cliff Ohlwiler	Pending
Report findings of Aggregate Source testing issues to the Task Group	9 Oct 2014	CT Co-Chairs	Routed for Discussion
Send the final Roller Compacted Concrete specification to the TG for posting onto the TG website.	18 Aug 2014	Cornelis Hakim	Complete
Send the final report capturing the final decision for the COTE specification value to the TG for posting onto the TG website.	18 Aug 2014	Cornelis Hakim	Complete
Discuss the finalizing of the Precast Pavement Specifications based on previous issue resolution	18 Aug 2014	Dan Speer/Nick Burmas/Chuck Suszko	Complete
Gather information from specification development personnel to understand reason for changes related to vibratory equipment for precast concrete.	18 Aug 2014	Keith Hoffman	To be accomplished by SP&I in coming days

Garner status on approval of new MPQP language related to Returned Plastic Concrete, and route document once complete.	31 July 2014	Jim Cotey/Chuck Suszko	To provide update at Jan TG meeting
Discuss sending the Recycled Concrete Final Specification ahead of the specification moratorium	9 Oct 2014	Dan Speer	Routed
Send Final Letter to Industry capturing changes to Innocuous Aggregate AML duration	9 Oct 2014	Jim Sagar	Complete

Concrete Products TG Quarterly Meeting Attendance Log as of 8 January 2015

MemberRole		TG Meeting (CT and Industry)														
		7/14/2011	10/13/2011	1/26/2012	4/12/2012	7/12/2012	10/11/2012	1/10/2013	4/11/2013	7/11/2013	10/10/2013	1/9/2014	4/10/2014	7/10/2014	10/9/2014	1/8/2014
Dan Speer	Caltrans Co-Chair	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Chuck Suszko	Caltrans Construction	✓	✓			✗	✗	✓	✓	✓	✗	✓	✓	p	p	
Amy Fong	Caltrans Pavement Program	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓					
Bill Farnbach	Caltrans Pavement Program												✗	✗	✗	
Nick Burnas	Caltrans Research and Innovation													✓	✓	
Roberto Lacalle	Caltrans Struct. Specs & Estmnt.	p	✓													
Marcelo Peinado	Caltrans District -11 Engineering	✗	✗													
Dennis Agar	Caltrans District -10 Engineering	✓	✓													
Jeremy Peterson-Self	Co-Chair, Precast Concrete STG					✓	✓	✓	✓							
Keith Hoffman	Co-Chair, Materials/QA & Precast STG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Cornelis Hakim	Co-Chair, Cast In Place Concrete Pavement STG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	
Mehdi Parvini	Co-Chair, Cast In Place Concrete Pavement STG	✓	✓	✓	✓	✓	✓	✓	✓							
Jinesh Mehta/Bobby Petska	Caltrans, Structural Materials Rep. (note taker)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Charley Rea	Industry Co-Chair-CALCIMA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Kirk McDonald	Industry Co-Chair															
Bruce Carter	Industry, CIP Pavement STG Co-Chair	✓	✓	✓										✓	✓	
Ron Stickel	Industry Co-Chair				✓	✓	✓	✓	✓	✓	✓	✗				
Cliff Ohlwiler	Industry, Co-Chair, Precast Concrete STG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	
Tom Tietz	Industry, CNCA	✗	✓	✓												
Mark Hill	Industry, Syar				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	
Craig Hennings	Industry, ACPA-SW	✗	✗	✗	✓	✗	✗	✗	✓	✓	✗	✓	✗	✗	✗	

Legend:

- ✓ Present
- ✗ Absent
- p Pre-designated proxy

STATE OF CALIFORNIA
PAVEMENT PROGRAM STATUS CALENDAR

DEPARTMENT OF TRANSPORTATION

ROCK PRODUCTS
COMMITTEE MEETINGS
CALENDAR

2015

JAN							FEB							MAR						
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25	26	27	28	29	30	31	22	23	24	25	26	27	28	27	28	29	30	31		
							29	30												

Calendar Legend

Quarterly Rock Products Committee (RPC) Meeting

Concrete Task Group 3+2 Meetings (1:30pm - 2:30pm)

State Holidays

Concrete Materials & QA STG Meeting (1:00 - 4:30 pm) - CT only

Concrete Materials & QA STG Meeting (1:00 - 4:30 pm) - All

Precast Subtask Group Meeting (9:00 - 11:30 am) - All

Precast Concrete Subtask Group Meeting (9:00 - 11:30 am) - CT only

Concrete Products Task Group Meeting (10:00-12:00) - All

Concrete Task Group CT Only Meeting (1:00-3:00 pm)-CT only

Cast In Place Pavement Subtask Group Meeting (9:00am - 11:00am)-All

Cast In Place Pavement Subtask Group Meeting (9:00am - 11:00am)-CT Only

Concrete Materials & QA Sub-Task Group: Issue Status Summary, January 2015					
Project Priority	Project	Purpose	Overall Progress	Target Completion Date	% Complete
1	Structural Concrete QC/QA Specification Development	Implement performance-based specifications for materials management of structural concrete.	QCQA Specification to be finalized in January 2015 and implemented on all project statewide at that time. Coordination to continue for scheduling next year's ACI trainings and provide Outreach meetings for new QCQA specification in Northern CA and Southern CA. Use gathered feedback from beta testing of DIME to update and roll out for larger use. Finalize QA guidance report to generate corresponding bulletins for state staff. Amendment to IA manual upcoming, develop long term IA processes.	1/1/2015	95%
2	Recycled Concrete	Evaluate possibilities for use of recycled (hardened and plastic) concrete	To be routed once moratorium is lifted.	1/1/2015	98%
3	Shotcrete Specification Updates	Update the provisions in Section 53 to clarify such factors as SCM content, testing requirements, etc.	Next meeting to be held mid-December to finalize the above proposal with industry. The current plan is to draft the updated specification within the next two months.	6/30/2015	50%
4	Flexural Beam Testing in accordance with ASTM (Joint Activity with CIP Pavement STG)	Industry requesting update of ASTM/CTM requirements related to Flexural Test specimen curing, testing, etc.	The next team meeting will be held on December 5th. Members are reviewing all feedback from surveys and compiling their thoughts to give to Deepak. Summary of current practices within Caltrans being sent to Ken to compile.	6/30/2015	25%
Bin List Items	Fiber Reinforced Concrete Specification	Develop specifications and design guidelines for the use	Discussion underway at STG level; timeline and necessary deliverables to be clarified	TBD	N/A
	Rapid Strength Concrete	Revise specifications relating to RSC	Informational only	TBD	N/A
	Smog-Eating Concrete	Develop specifications and design guidelines for the use	This item is currently under evaluation. A pilot project is to be selected in the near future, with the goal of capturing lessons learned. A meeting with Caltrans and Lehigh personnel took place on 30 August 2012.	TBD	N/A
	Performance-Based Specifications for concrete	With the latest advances in concrete technology and availability of new tests. move towards performance specifications	Using surface resistivity and other performance criteria refine the specifications from prescriptive to performance	TBD	N/A
	Cubic Yardage Concrete and Aggregate Deduction	Update the provisions in Section 90 to better ensure compliance with Specifications	Discussion underway at STG level; timeline and necessary deliverables to be clarified.	TBD	N/A
	CIP Pavement QC/QA Specifications	Develop specifications for QC and QA requirements for CIP Pavement	Possibility to be explored.	TBD	N/A
	Statewide Uniform Mix Design Numbering System	Develop Statewide Uniform Mix Design Numbering System for Batch Plants	N/A	TBD	N/A
	Separate out ASR requirements from green concrete related spec in section 90	Update the provisions in Section 90 to ensure that CO2 reduction goals are captured but independent of ASR Reduction goals	Informational only	TBD	N/A
	Recycled Concrete Specifications for Crushed Aggregate	Evaluate Specification options for hardened concrete as aggregate	Activity to be explored	TBD	N/A

Structural Concrete QC/QA Specification Development

Sub Task Group (STG): Materials & QA

Priority: 1

STG Co-Chair: Keith Hoffman

Project Team Lead: John Lammers

Project Team Members: Cathrina Barros, Ruth Fernandes, Austin Perez, Craig Knapp, Mike Cook, Rosme Aguilar, The' Pham, Deepak Maskey, Al Ochoa, Rick Navarro, (CCTIA)

Project Team Advisors: Rita Leahy, Jinesh Mehta, Ken Beede

DEADLINE: 12/31/2014

PERCENT COMPLETE: 95%

OBJECTIVES:

Implement quality control sampling and testing for structural concrete as directed in the decision document signed by the Chief Engineer and Deputy Director of Maintenance and Operations in December 2010. Determine appropriate QC sampling and testing standards as well as acceptance (QA) sampling and testing guidance consistent with federal regulations. These requirements and guidance should be implementable for any project regardless of procurement methods.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

QCQA specification forecasted to be rolled out to all new projects by end of 2014. Continuous efforts to include Prebid Outreach meeting and Section 11-4 language in all Pilot Project Specifications.

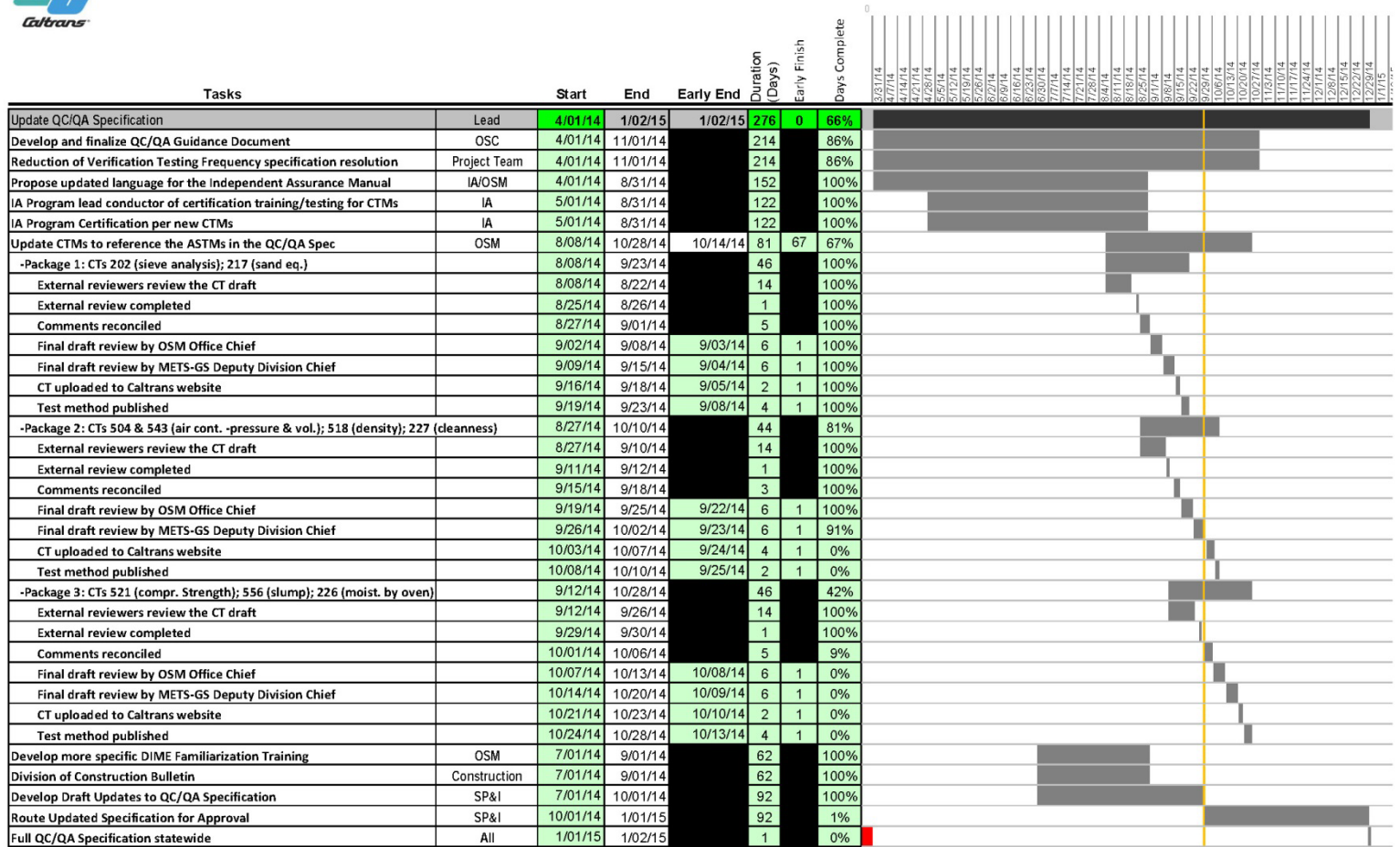
RECENT ACTIVITIES:

- Sample ID/Test ID Spec change language – Complete
- Full listings of all Pilot Projects are currently tracked and are continuously updated as needed.
- Coordination of Pre-Bid Outreach Meetings for upcoming Pilot Projects continues:
 - D03 Pilot Project – Sly Park Undercrossing on RTE 50. Project is ongoing. Project close to 70% complete. No significant issues during the construction.
 - D04 Pilot Project – NAP-29 Troutdale Creek Bridge – Pre-Bid Outreach language for included in specifications; outreach presentation occurred circa September 2014.
 - D04 Pilot Project – San Francisquito Bridge project – Contract has been postponed and is to be re-advertised in 2015.
 - D06 Pilot Project – Project ongoing throughout 2014. Pre Concrete meeting and DIME Training have taken place over the past months. No significant issues were noted during construction.
 - D08 Pilot Project – Project ongoing. Approximately 190 QC Tests have been input into DIME.
 - D11 Pilot Project – Project ongoing. Approximately 570 QC Tests have been input.
- QA Guidance Doc Development – Continues to be refined. OSC currently taking lead on this document. Updates being made to document include FAQ section, DIME instructions, sample QC meeting agenda, QC checklist and sample QC Plan.
- Outreach at the CalCIMA Convention occurred in early November 2014. Industry received a presentation on the Lessons Learned thus far on the QCQA pilot projects, as well as a general overview of the specification.

UPCOMING ACTIVITIES:

- QCQA Specification to be finalized in January 2015 and implemented on all project statewide at that time.
- Coordination to continue for scheduling next year's ACI trainings and provide Outreach meetings for new QCQA specification in Northern CA and Southern CA.
- Use gathered feedback from beta testing of DIME to update and roll out for larger use.
- Finalize QA guidance report to generate corresponding bulletins for state staff.
- Amendment to IA manual upcoming, develop long term IA processes.

Project: RPC QC/QA Specification Update



Use of Recycled Concrete Materials

Sub Task Group (STG): Materials & QA

Priority: 2

STG Co-Chair: Keith Hoffman

**Project Team Lead: Mike Donovan,
Don Vivant**

Project Team Members: Charley Rea, Craig Hennings,
Deepak Maskey, Keith Hoffman,
Jinesh Mehta, Pat Imhoff, Tarek Khan,
Mike Serra, Robert Graine, Paul Fayer,
Ruth Fernandes, Jim Cotey
Basil Miranda, Steven Cook

Project Team Advisors: TBD

DEADLINE: 7/31/2014

PERCENT COMPLETE: 98 %

OBJECTIVES:

By using various appropriate measures and devising clear limitations and practices, activity will examine returned concrete for use as minor (non-structural) concrete without compromising life cycle.

Currently, Caltrans specifications allow *aggregate* from plastic or hardened concrete to be used in road base and in various appropriate applications in new concrete. However, the use is not widely seen and therefore requirements should be evaluated and modified to promote more use for specified applications without compromising life cycle.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Once the objective is clearly defined and necessary background research is performed, project team will work on coming up with recommended changes. It is likely that Specification involvement will include reviewing the draft Recycled Concrete Section 90 subsection.

RECENT ACTIVITIES:

- Draft MPQP was circulated to industry for review and comment on 6/6/2014.
- Project team met with Climate Earth and Industry to discuss carbon footprint savings for returned plastic concrete on June 4, 2013.
- A field trip was scheduled on September 11, 2013 to observe manufacturing of recycle concrete operations.
- Industry met with Division of Weights and Measures on January 31, 2014 to discuss the MPQP process and understand their concerns.
- Project team meeting took place on June 6, 2014. The project team agreed to the MPQP draft and the draft specifications.
- The carbon footprint savings report was received by project team on June 21, 2013.

UPCOMING ACTIVITIES:

- To be routed once moratorium is lifted.

SCHEDULE AND PROGRESS:

Current target completion date is July 2014.

Shotcrete Specification Requirements in Section 53

Sub Task Group (STG): Materials/QA

Priority: 3

STG Co-Chair: Keith Hoffman

Project Team Lead: Edward Zhang

Project Team Members: Deepak Maskey, Don Reding,
Ayo Okupe Hampton, Robert Roman
Deepak Maskey, Mark Hill, Robert
Foley, Robert Hightower, Oscar
Duckworth

Project Team Advisors: N/A

DEADLINE: 6/30/2015

PERCENT COMPLETE: 50%

OBJECTIVES:

To revise Section 53 to reflect the 3/8" grading requirements found in Section 90 in order to eliminate conflicting grading requirements. There is confusion as to whether the combined grading requirements in Section 90 apply to Section 53 for shotcrete, which include provisions that state: "The 3/8" combined grading requirements in Section 90 do not apply."

To determine the need for Equation 2 for shotcrete as written while keeping the intent of the original specification with regard to ASR and other Department goals. This could include using alternatives currently allowed for precast and pavement mixes (or a combination of the two).

To determine the need for the requirement on maximum water allowed per section 90-1.02G(6) based on proposed above changes and standard industry practices.

Consider the use of allowing alternative coloring systems for Shotcrete in the specifications.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Some involvement needed to revise Section 53 of the Standard Specifications and SSPs as necessary.

RECENT ACTIVITIES:

At the last CT only team meeting, it was agreed to raise the minimum requirement of 632 pounds of cementitious material per cubic yard to 675 pounds of cementitious material per cubic yard. This in turn will allow the use up to 506.25 (for non-innocuous aggregate) pounds portland cement per cubic yard in the mix designs while still satisfying the requirement of Equation 2 in section 90. Industry has indicated that 500 pounds of portland cement per cubic yard would be acceptable, and it will be discussed at the next joint team meeting in mid-December.

CT also agreed to change the specification language to reference the graduation requirements of ASTM C1436-13.

UPCOMING ACTIVITIES:

For the next month:

- Next meeting to be held mid-December to finalize the above proposal with industry.

For the next two months:

- The current plan is to draft the updated specification within the next two months.

Flexural Strength Testing

Sub Task Groups (STG): Materials/QA & CIP Pavement

Priority: 4

STG Co-Chairs: Keith Hoffman

Project Team Lead: Deepak Maskey

Project Team Members: Deepak Maskey, Mehdi Parvini
Keith Hoffman, Jim Sagar, Ken Darby, Doran Glauz,
Bruce Carter, George Butorovich, Mark Hill, Marc Robert,
Robert Hightower, Francisco Romero, Zacery Brown

Project Team Advisors: N/A

DEADLINE: 06/30/2015

PERCENT COMPLETE: 25%

OBJECTIVES:

To come to an agreement as to which of the test methods previously identified will satisfy both Caltrans and industry with regard to acceptance testing.

Identify current practices throughout the state in regards to CT 523 management and certification for all technicians performing these tests and the accreditation of Caltrans and third party testing laboratories.

Provide a recommendation on a path forward in regards to flexural strength testing.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Some involvement needed in final review of SSPs and in compiling input from various stakeholders.

RECENT ACTIVITIES:

Joint meeting was held on 12/5/2014. Old archived information relating to flexural strength testing was distributed. Team is focused on its next deliverable.

Joint meeting was held 11/6/14. Ken Darby provided summary of the surveys from REs:

UPCOMING ACTIVITIES:

For the next month:

- The next team meeting will be held on December 5th. Members are reviewing all feedback from surveys and compiling their thoughts to give to Deepak. Summary of current practices within Caltrans being sent to Ken to compile.

For the next two months:

- Continue to work on the deliverables per the scoping document. Decision document to be finalized by March 2015.

CIP Concrete Pavement Sub-Task Group: Issue Status Summary, January 2015

Priority	Project	Purpose	Overall Progress	Target Completion Date	% Complete
1	Roller Compacted Concrete	Develop standard provisions for the use of Roller Compacted Concrete	Draft special provisions are ready for implementing on trial project. Incorporated into one project in District 7	12/30/2013	100%
2	Flexural Beam Testing in accordance with ASTM (Joint Activity with CIP Pavement STG)	Industry requesting update of ASTM/CTM requirements related to Flexural Test specimen curing, testing, etc.	The next team meeting will be held on December 5th. Members are reviewing all feedback from surveys and compiling their thoughts to give to Deepak. Summary of current practices within Caltrans being sent to Ken to compile.	6/30/2015	25%
2	Dowel Bar Tolerance Quality Assurance	Update standard provisions for Dowel Tolerance in pavements	Discussions underway at STG Level	12/31/2015	10%

Precast Concrete Sub-Task Group: Issue Status Summary, January 2015					
Project Priority	Project	Purpose	Overall Progress	Target Completion Date	% Complete
1	Precast Pavement Specification Development	Develop comprehensive departmental guidance or standard approach on the use of precast concrete pavement.	Finalize plans and specifications. Work to bring the activity to a close.	12/31/2013	99%
2	Prestressing Jack Equipment Calibration	Updating this specification will provide clear guidelines in the specifications consistent with current practice. Removing the requirement to ship large sensitive equipment to Sacramento for calibration will assure accurate calibrations and will eliminate unnecessary costs to both Caltrans and Industry. Reviewing and updating equipment requirements will assure that the specifications are consistent with modern technology while maintaining the desired accuracy.	Team will continue to wordsmith changes of the draft specification.	6/30/2015	30%
Bin List	QC/QA for Precast and Pre-approved Mix Designs	Review of efficient uses of resources at precast fabricators. Desired outcomes include utilizing DIME database for QC/QA documentation and pre-approved mix designs.	Champions: Doug Mooradian and Keith Hoffman	N/A	N/A
	Precast Pavement Continuous Improvement	Provide another opportunity to incorporate lessons learned on the precast pavement specification. Desired outcome would be to turn the PC pavement nSSP into an SSP through lessons learned from projects that used the nSSP.	Champions: Doug Mooradian and Mehdi Parvini	N/A	N/A
	MPQP/CT109 Requirements for Precast Plants	Desired outcome is to investigate if weights and measures regulations apply to precasters and suggest update to MPQP process for precasters if needed.	Champions: Keith Hoffman and Cliff Ohlwiler	N/A	N/A

Precast Pavement Specification Development

Sub Task Group (STG): Precast

Priority: 1

STG Co-Chair: Keith Hoffman

Project Team Lead: Mehdi Parvini

Project Team Members: Doug Mooradian, Ruth Fernandes, Jim Ma, Jim Cotey, Tinu Mishra, Kirsten Stahl, Debbie Wong, Jonathan den Hartog, Shiraz Tayabaji, Tracy Vacura, Dave Merritt, John Grafton, Ziad Sakkal, Bobby Petska, Steve Healow, Sharon Hansen

Project Team Advisors: N/A

DEADLINE: 12/31/2013

PERCENT COMPLETE: 99%

OBJECTIVES:

Precast concrete pavement systems were developed as an alternative for fast-setting cements or asphalt pavement systems in cases where a highway closure for longer than six hours is not a viable option. These systems are also beneficial in cases where high concrete durability and long pavement life are desired.

Although a few precast concrete pavement projects have already been built throughout the state, there is no comprehensive departmental guidance or standard approach on the use of precast concrete pavement.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Some involvement needed in final review of SSPs and in compiling input from various stakeholders.

RECENT ACTIVITIES:

There were several items in the draft specifications that were under dispute. The Subtask Group drafted position papers to submit to the Task Group for consideration. The RCP operating principles and dispute resolution process were followed. All disputes have all been resolved. Final plans and specifications have been updated to reflect the changes. The Precast STG is now finished with this item, and it is at the TG level. Additional comments were received from the Concrete Pavement Industry on 11/26.

UPCOMING ACTIVITIES:

For the next month:

- Finalize plans and specifications. Work to bring the activity to a close.

For the next two months:

- Lessons Learned documents will continue to be captured throughout Fall of 2014 for all ongoing Precast Pavement projects.
- Perform measurements and verifying compliance with the 1/8" tolerance on upcoming projects.

Update Precast Stress Jack Requirements in Specifications

Sub Task Group (STG): Precast

Priority: 2

STG Co-Chair: Keith Hoffman

Project Team Lead: Paul Lukkarila

Project Team Members: Rob Ramos, Paul Fayer, Doug Mooradian, Cliff Ohlwiler, Jerry Luczenczyn, Paul Lukkarila

Project Team Advisors: N/A

DEADLINE: 6/30/2015

PERCENT COMPLETE: 30%

OBJECTIVES:

Updating this specification will provide clear guidelines in the specifications consistent with current practice. Removing the requirement for METS calibration of jack equipment will help ensure accurate calibrations and will eliminate unnecessary costs to both Caltrans and Industry. Reviewing and updating equipment requirements, including digital and jack-integrated gauges, will assure that the specifications are consistent with modern technology while maintaining the desired accuracy.

ANTICIPATED SPEC-WRITER INVOLVEMENT:

Some involvement needed in revising Section 50-1.01D(3) Equipment and Calibration of the Standard Specifications.

RECENT ACTIVITIES:

- November 7th the team held a meeting discussing draft number one of the updated specification
- Waiting written responses from industry to compile into draft number two
- Proposed updated specification includes:
 - Third party lab can calibrate jacks in the yard (must be ISO 17025 certified with calibration to ASTM E4)
 - One digital gage can be used

UPCOMING ACTIVITIES:

For the next month:

- Team will continue to wordsmith changes of the draft specification.

For the next two months:

- Team will continue to wordsmith changes of the draft specification.